PACIFIC ECORISK | ENVIRONMENTAL CONSULTING & TESTING

Mr. Robert Lawrence
U.S. Army Corps of Engineers
San Francisco District
333 Market St.
San Francisco, CA 94105

July 18, 2006

Dear Mr. Lawrence:

Please find enclosed a copy of the following results reports for your review.

- Characterization of Levin Richmond Terminal Sediments: Results of Dredged Materials Sampling Site LRT-S01;
- Characterization of Levin Richmond Terminal Site LRT-S01 Sediment Core Samples for Total DDT;
- Characterization of Shore Terminal Sediments: Results of Dredged Materials Sampling Site LRT-S02; and
- Characterization of Shore Terminal Site LRT-S02 Sediment Core Samples for Total DDT.

The results of this testing indicated that Total DDT was detected at each of the sites at concentrations above those suitable for in-bay disposal. Dr. Doug Lipton and Ms. Rachel Bonnefil, managers of the Montezuma Wetlands disposal site, have indicated that with the approval of the appropriate regulatory agencies, they would be able to place these sediments in one of their deeper cells. As per their instruction and in order to meet their disposal permit requirements, a modified waste extraction test (MWET or DI-WET) was performed on select sediment cores from each of the sites that exhibited the highest Total DDT detected for that given site; the results of this testing are attached to this letter.

If you have any questions, please give me a call at (925) 313-8080. I look forward to hearing from you.

Sincerely,

Jeffrey Cotsifas
Special Projects Director

cc: Brian Ross, U.S. EPA
Brenda Goeden, BCDC
Beth Christian, SFRWQCB
George Isaac, CDFG
David Woodbury, NMFS
Donn Oetzel, SLC
Cheney, Michael, MCA
Cannon, Jim, Levin Richmond Terminal
Bonnefil, Rachel,

CORPORATE HEADQUARTERS
835 Arnold Drive, Ste. 104
Martinez, CA 94553
phone : 925.313.8080
fax : 925.313.8089

CENTRAL VALLEY
6820 Pacific Avenue, Ste. 3D
Stockton, CA 95207
phone : 209.952.1180
fax : 209.952.1180

SOUTHERN CALIFORNIA
2792 W. Loker Avenue, Ste. 100
Carlsbad, CA 92010
phone : 760.602.7919
fax : 760.602.9119

www.pacificecorisk.com

Attachment 1

Results of MWET Testing Performed on Sediment Core Samples LRT-S01-02, LRT-S02-01, LRT-S02-02

Table 2-1. Results of measured Total DDT (ng/L) in MWET extracts: Performed on sediment cores samples LRT-S01-02, LRT-S02-01, LRT-S02-02

Analyte	LRT-S01-02	LRT-S02-01	LRT-S02-02	Method Reporting Limit	Method Detection Limit
2,4'-DDD (ng/L)	<1	31.9	<1	5	1
4,4'-DDD (ng/L)	42.3	111	37.6	5	1
2,4'-DDE (ng/L)	<1	<1	<1	5	1
4,4'-DDE (ng/L)	<1	23.6	<1	5	1
2,4'-DDT (ng/L)	<1	<1	<1	5	1
4,4'-DDT (ng/L)	<1	<1	<1	5	1
Total DDT	42.3	167	37.6	NA	NA

CRG Marine Laboratories, Inc.
"A Center for Excellence in Analytical Chemistry and Environmental Micrbiology"

July 13, 2006

Pacific Ecorisk
835 Arnold Street, Suite 104
Martinez, CA 94553

Re: CRG Marine Laboratories — Project ID: P 26156
Pacific Ecorisk — Project ID: 10387

ATTN: Jeff Cotsifas

CRG Laboratories is pleased to provide you with the enclosed analytical data report for your 10387 project.
According to the chain-of-custody, 3 samples were received intact at CRG on 7/6/2006.
The samples were processed (DI-WET), including filtration through a 0.45µm glass fiber filter and analyzed for:

- Chlorinated Pesticides By GCMS Using Method EPA 625m

Please don't hesitate to call if you have any questions and thank you very much for using our laboratory for your analtytical needs.

Regards,
Misty B. Mercier

Reviewed and Approved Misty B. Mercier

Digitally signed by Misty B. Mercier
DN: CN = Misty B. Mercier, C = US, O = CRG Marine Laboratories, Inc.
Date: 2006.07.14 10:02:31 -07'00'

2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206 (310) 533-5190 FAX (310) 533-5003 crglabs@sbcglobal.net

DATA REPORT

CRG Marine Laboratories, Inc.

2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206 (310) 533-5190 FAX (310) 533-5003 crglabs@sbcglobal.net

Client: *Pacific Ecorisk*

CRG Project ID: *26156*

CRG ID#:	***41162***	**Sample**	LRT-S01-02 DI-WET	**Date Sampled:**	17-Oct-05
Replicate #:	R1	**Description:**	10387	**Date Received:**	06-Jul-06
Batch ID:	26156-18080	**Matrix:**	Water	**Date Processed:**	10-Jul-06
Instrument:	GC/MS #2 Shimadzu QP2010	**Analyst:**	D. Gonsman	**Date Analyzed:**	12-Jul-06

CONSTITUENT	FRACTION	METHOD	RESULT	UNITS	MDL	RL	DILUTION FACTOR	ACCEPTANCE RANGE
(PCB030)	Dissolved	EPA 625m	73	% Recovery			1	40 - 130%
(PCB112)	Dissolved	EPA 625m	83	% Recovery			1	60 - 120%
(PCB198)	Dissolved	EPA 625m	96	% Recovery			1	60 - 120%
(TCMX)	Dissolved	EPA 625m	72	% Recovery			1	40 - 130%
2,4'-DDD	Dissolved	EPA 625m	ND	ng/L	1	5	1	NA
2,4'-DDE	Dissolved	EPA 625m	ND	ng/L	1	5	1	NA
2,4'-DDT	Dissolved	EPA 625m	ND	ng/L	1	5	1	NA
4,4'-DDD	Dissolved	EPA 625m	42.3	ng/L	1	5	1	NA
4,4'-DDE	Dissolved	EPA 625m	ND	ng/L	1	5	1	NA
4,4'-DDT	Dissolved	EPA 625m	ND	ng/L	1	5	1	NA

MDL= Method Detection Limit (CFR 40 Part 136); RL= Minimum Level (SWRCB); J = Estimated Value below the RL and above the MDL; ND= Not Detected; NA= Not Applicable.

California ELAP Certificate # 2261

CRG Marine Laboratories, Inc.

2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206 (310) 533-5190 FAX (310) 533-5003 crglabs@sbcglobal.net

Client: ***Pacific Ecorisk*** **CRG Project ID:** ***26156***

CRG ID#:	***41163***	**Sample Description:**	LRT-S02-01 DI-WET	**Date Sampled:**	17-Oct-05
Replicate #:	R1		10387	**Date Received:**	06-Jul-06
Batch ID:	26156-18080	**Matrix:**	Water	**Date Processed:**	10-Jul-06
Instrument:	GC/MS #2 Shimadzu QP2010	**Analyst:**	D. Gonsman	**Date Analyzed:**	12-Jul-06

CONSTITUENT	FRACTION	METHOD	RESULT	UNITS	MDL	RL	DILUTION FACTOR	ACCEPTANCE RANGE
(PCB030)	Dissolved	EPA 625m	75	% Recovery			1	40 - 130%
(PCB112)	Dissolved	EPA 625m	78	% Recovery			1	60 - 120%
(PCB198)	Dissolved	EPA 625m	93	% Recovery			1	60 - 120%
(TCMX)	Dissolved	EPA 625m	72	% Recovery			1	40 - 130%
2,4'-DDD	Dissolved	EPA 625m	31.9	ng/L	1	5	1	NA
2,4'-DDE	Dissolved	EPA 625m	ND	ng/L	1	5	1	NA
2,4'-DDT	Dissolved	EPA 625m	ND	ng/L	1	5	1	NA
4,4'-DDD	Dissolved	EPA 625m	111	ng/L	1	5	1	NA
4,4'-DDE	Dissolved	EPA 625m	23.6	ng/L	1	5	1	NA
4,4'-DDT	Dissolved	EPA 625m	ND	ng/L	1	5	1	NA

MDL= Method Detection Limit (CFR 40 Part 136); RL= Minimum Level (SWRCB); J = Estimated Value below the RL and above the MDL; ND= Not Detected; NA= Not Applicable.

California ELAP Certificate # 2261

CRG Marine Laboratories, Inc.

2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206 (310) 533-5190 FAX (310) 533-5003 crglabs@sbcglobal.net

Client: *Pacific Ecorisk* — CRG Project ID: *26156*

CRG ID#:	*41164*	**Sample Description:**	LRT-S02-02 DI-WET	**Date Sampled:**	17-Oct-05
Replicate #:	R1		10387	**Date Received:**	06-Jul-06
Batch ID:	26156-18080	**Matrix:**	Water	**Date Processed:**	10-Jul-06
Instrument:	GC/MS #2 Shimadzu QP2010	**Analyst:**	D. Gonsman	**Date Analyzed:**	12-Jul-06

CONSTITUENT	FRACTION	METHOD	RESULT	UNITS	MDL	RL	DILUTION FACTOR	ACCEPTANCE RANGE
(PCB030)	Dissolved	EPA 625m	71	% Recovery			1	40 - 130%
(PCB112)	Dissolved	EPA 625m	78	% Recovery			1	60 - 120%
(PCB198)	Dissolved	EPA 625m	95	% Recovery			1	60 - 120%
(TCMX)	Dissolved	EPA 625m	65	% Recovery			1	40 - 130%
2,4'-DDD	Dissolved	EPA 625m	ND	ng/L	1	5	1	NA
2,4'-DDE	Dissolved	EPA 625m	ND	ng/L	1	5	1	NA
2,4'-DDT	Dissolved	EPA 625m	ND	ng/L	1	5	1	NA
4,4'-DDD	Dissolved	EPA 625m	37.6	ng/L	1	5	1	NA
4,4'-DDE	Dissolved	EPA 625m	ND	ng/L	1	5	1	NA
4,4'-DDT	Dissolved	EPA 625m	ND	ng/L	1	5	1	NA

MDL= Method Detection Limit (CFR 40 Part 136); RL= Minimum Level (SWRCB); J = Estimated Value below the RL and above the MDL; ND= Not Detected; NA= Not Applicable.

California ELAP Certificate # 2261

QUALITY CONTROL REPORT

CRG Marine Laboratories, Inc.

2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206 (310) 533-5190 FAX (310) 533-5003 crglabs@sbcglobal.net

Client: *Pacific Ecorisk* — CRG Project ID: *26156*

CRG ID#:	***41161***	**Sample Description:**	QAQC Procedural Blank	**Date Sampled:**	
Replicate #:	B1		10387	**Date Received:**	
Batch ID:	26156-18080	**Matrix:**	DI Water	**Date Processed:**	10-Jul-06
Instrument:	GC/MS #2 Shimadzu QP2010	**Analyst:**	D. Gonsman	**Date Analyzed:**	12-Jul-06

CONSTITUENT	FRACTION	METHOD	RESULT	UNITS	MDL	RL	DILUTION FACTOR	ACCEPTANCE RANGE
(PCB030)	Dissolved	EPA 625m	79	% Recovery			1	40 - 130%
(PCB112)	Dissolved	EPA 625m	88	% Recovery			1	60 - 120%
(PCB198)	Dissolved	EPA 625m	106	% Recovery			1	60 - 120%
(TCMX)	Dissolved	EPA 625m	76	% Recovery			1	40 - 130%
2,4'-DDD	Dissolved	EPA 625m	ND	ng/L	1	5	1	NA
2,4'-DDE	Dissolved	EPA 625m	ND	ng/L	1	5	1	NA
2,4'-DDT	Dissolved	EPA 625m	ND	ng/L	1	5	1	NA
4,4'-DDD	Dissolved	EPA 625m	ND	ng/L	1	5	1	NA
4,4'-DDE	Dissolved	EPA 625m	ND	ng/L	1	5	1	NA
4,4'-DDT	Dissolved	EPA 625m	ND	ng/L	1	5	1	NA

MDL= Method Detection Limit (CFR 40 Part 136); RL= Minimum Level (SWRCB); J = Estimated Value below the RL and above the MDL; ND= Not Detected; NA= Not Applicable.

California ELAP Certificate # 2261

CHAIN-OF-CUSTODY

CHAIN OF CUSTODY RECORD

(P2615(?))

PACIFIC ECORISK
835 Arnold Drive, Suite 104
Martinez, CA 94553
(925)313-8080 fax: (925)313-8089

RESULTS TO: Jeff Cotsifas

Attn: Jeff Tel: 925-313-8080

BILL TO:

Attn: Tel:

PROJECT: 10387

SAMPLE IDENTIFICATION	DATE	TIME	SAMPLE MATRIX	GRAB/ COMP.	# CONTAINERS/TYPE	DDT	DDE	DDD						REMARKS
LRT-S01-02	10/17/05	1	Sed.	Grab	1 / 500ml	X	X	X						
LRT-S02-01	10/17/05	1	Sed.	Grab	1 / 500ml	X	X	X						
LRT-S02-02	10/17/05	1	Sed.	Grab	1 / 500ml	X	X	X						
					/									
					/									
					/									
					/									
					/									
					/									
					/									
					/									

METHOD OF SHIPMENT: FED X X UPS ____ HAND ____ OTHER ____

COMMENTS: 5 day TAT Sent Frozen

CODES:

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	PAGE #
[signature]	7/5/06	0930	[signature]	7-6-06	0920	OF

White - Return w/sample Yellow: - Keep for your records

CRG
Marine Laboratories, Inc.

SAMPLE RECEIVING

CRG Project ID
P26156

CLIENT NAME: Pacific EcoRisk

DATE RECEIVED: 7-6-06

COURIER INFORMATION

☐ CRG	☒ FEDEX	TRACKING NUMBER 7901 8718 4646
☐ OTHER*	☐ UPS	

TEMPERATURE

6 °C

☐ BLUE ICE
☒ WET ICE
☐ NO ICE

Chain-of-Custody

☒ INCLUDED
☒ SIGNED
☐ NOT INCLUDED

SAMPLE MATRIX

☐ LIQUID
☒ SOLID
☐ OTHER*

CONDITION OF SAMPLES UPON ARRIVAL

	YES	NO*	NA
All sample containers intact and good condition	☑	☐	☐
All samples listed on COC are present	☒	☐	☐
Sample ID on containers consistent with COC	☒	☐	☐
Correct containers used for analyses requested	☒	☐	☐
All samples received within method holding time	☒	☐	☐

*NOTES

COMPLETED BY: _____

2020 Del Amo Boulevard Suite 200, Torrance, CA 90501 · (310) 533-5190 · FAX (310) 533-5003